INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.		
CG/11168.216	ACTION (FORM FOR 175 AZZZO) as well as, where applicable, item 5 below.		
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)	
PCT/CA 03/01184	06/08/2003	06/08/2002	
Applicant			
MCGILL UNIVERSITY			
This International Search Report has bee according to Article 18. A copy is being to	en prepared by this International Searching Auth cansmitted to the International Bureau.	nority and is transmitted to the applicant	
	s of a total of sheets. y a copy of each prior art document cited in this	report.	
	international search was carried out on the bas	sis of the international application in the	
	eless otherwise indicated under this item. vas carried out on the basis of a translation of the	he international application furnished to this	
Authority (Rule 23.1(b)).	nd/or amino acid sequence disclosed in the int	•	
was carried out on the basis of the	e sequence listing:		
	onal application in written form.	· -	
	ernational application in computer readable form	n.	
	o this Authority in written form.		
the statement that the sub	o this Authority in computer readble form. beguently furnished written sequence listing do	oes not go beyond the disclosure in the	
	as filed has been furnished. ormation recorded in computer readable form is	s identical to the written sequence listing has been	
	nd unsearchable (See Box I).		
3. Unity of invention is lace	king (see Box II).		
4. With regard to the title,	·		
X the text is approved as su	ibmitted by the applicant.	•	
	shed by this Authority to read as follows:		
5. With regard to the abstract,			
X the text is approved as su	bmitted by the applicant.		
the text has been establish	hed, according to Rule 38.2(b), by this Authority a date of mailing of this international search repo	y as it appears in Box III. The applicant may, ort, submit comments to this Authority.	
6. The figure of the drawings to be publi	ished with the abstract is Figure No.	. 1	
X as suggested by the applic	cant.	None of the figures.	
because the applicant faile	ed to suggest a figure.		
because this figure better	characterizes the invention.		

C.(Continua	Inuation) DOCUMENTS CONSIDERED TO BE RELEVANT			
Category °			Relevant to claim No.	
A .	CRIBIER BERNARD ET AL: "In vitro infection of peripheral blood mononuclear cells by hepatitis C virus" JOURNAL OF GENERAL VIROLOGY, vol. 76, no. 10, 1995, pages 2485-2491, XP009022598 ISSN: 0022-1317 the whole document		1–11	
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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 12, 13

Present claims 1-11 relate to a cells defined by reference to a desirable characteristic or property, namely cells which are infectable with HCV, wherein a not further defined activating composition enables a full replication cycle of HCV.

The claims cover all cells having this characteristic or property, whereas the application provides support within the meaning of Article 6 PCT and disclosure within the meaning of Article 5 PCT for only a very limited number of such cells. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Independent of the above reasoning, the claims also lack clarity (Article 6 PCT). An attempt is made to define the cells by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search over the whole of the claimed scope impossible. Consequently, the search has been carried out for those parts of the claims which appear to be clear, supported and disclosed, namely those parts relating to cells defined as Peripheral Blood Mononuclear Cells.

Independent of the above, present claims 12 and 13 relate to compounds defined by reference to a desirable characteristic or property, namely a compound having a therapeutic on HCV.

The claims cover all compounds having this characteristic or property, whereas the application provides support within the meaning of Article 6 PCT and disclosure within the meaning of Article 5 PCT for no such compounds. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the claimed scope is impossible. Independent of the above reasoning, the claims also lack clarity (Article 6 PCT). An attempt is made to define the compounds by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search over the claimed scope impossible. Consequently, no search has been carried out for claims 12 and 13.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.



International application No. PCT/CA 03/01184

Box I	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)		
This Inte	rnational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:		
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:		
2. X	Claims Nos.: 12, 13 because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:		
. *	see FURTHER INFORMATION sheet PCT/ISA/210		
з. 🗌	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).		
Box II	Observations where unity of invention is lacking (Continuation of item 2 of first sheet)		
This Inte	rnational Searching Authority found multiple inventions in this international application, as follows:		
•			
1.	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.		
	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.		
3.	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:		
. —			
4.	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:		
Remark (The additional search fees were accompanied by the applicant's protest.		
	No protest accompanied the payment of additional search fees.		

A CLASS	SECULATION OF CUID IFOT MATTER		
IPC 7	SIFICATION OF SUBJECT MATTER C12N7/02 C07K14/18		
According t	to International Patent Classification (IPC) or to both national class	the effect want IDO	
	S SEARCHED	Shcation and IPC	
Minimum d	ocumentation searched (classification system followed by classifi	ication symbols)	
IPC 7	CO7K C12N		•
Documenta	ation searched other than minimum documentation to the extent th	at such documents are included in the fields	
Electronic d	data base consulted during the international search (name of data	base and, where practical, search terms use	ed)
EPO-In	ternal, BIOSIS, MEDLINE, EMBASE, W	PI Data, PAJ	
			·
	ENTS CONSIDERED TO BE RELEVANT		
Calegory °	Citation of document, with indication, where appropriate, of the	relevant passages	Relevant to claim No.
Х	MUELLER H M ET AL: "B-lymphocy predominantly involved in viral	tes are	1-11
	propagation of hepatitis C virus ARCHIVES OF VIROLOGY SUPPLEMENTS	s (HCV)" UM,	
	vol. 0, no. 9, 1994, pages 307- XP009022615 ISSN: 0939-1983	316,	
[the whole document		
х	MUELLER HUBERT M ET AL: "Periphe leukocytes serve as a possible extrahepatic site for hepatitis replication"		1-11
	JOURNAL OF GENERAL VIROLOGY, vol. 74, no. 4, 1993, pages 669- XP009022599	-676,	·
	ISSN: 0022-1317	÷	
}	the whole document	•	
1	. ·		
		-/	
	er documents are listed in the continuation of box C.	Patent family members are listed	in annex.
	egories of cited documents :	"T" later document published after the inte	ernational filing date
conside	nt defining the general state of the art which is not ered to be of particular relevance	al state of the art which is not cited to understand the principle or theory underlying the	
"E" earlier do filing da	ocument but published on or after the international ate	ter the international "X" document of particular relevance; the claimed invention	
"L" documen which is	document which may throw doubts on priority claim(s) or involve an inventive step when the document is taken alone		be considered to curnent is taken alone
O documen	citation or other special reason (as specified). The document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such document.		ventive step when the
P documen	in published prior to the international filing date but an the priority date claimed	ments, such combination being obvious to a person skilled in the art. *&* document member of the same patent family	
	clual completion of the international search	Date of mailing of the international sea	
	December 2003	30/12/2003	
Name and ma	ailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk	Authorized officer	
	NL - 2280 HV Hijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Fax: (+31-70) 340-3016	Wimmer, G	•



Internation No PCT/CA 03/01184

C.(Continue	PCT/CA 03/01184 Invation) DOCUMENTS CONSIDERED TO BE RELEVANT y * Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.		
Category *			
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A	CRIBIER BERNARD ET AL: "In vitro infection of peripheral blood mononuclear cells by hepatitis C virus" JOURNAL OF GENERAL VIROLOGY,		1-11
	vol. 76, no. 10, 1995, pages 2485-2491, XP009022598	-	
	ISSN: 0022-1317		
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	see FURTHER INFORMATION sheet PCT/ISA/210
з. 🔲	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
	Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
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1.	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
	of any acuscond fee.
з. 🔲 ;	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark o	The additional search fees were accompanied by the applicant's protest.
	No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box 1.2

Claims Nos.: 12, 13

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